

N-Stearoyl Taurine

Chemical Properties

CAS No. :	63155-80-6
Formula:	C20H41NO4S
Molecular Weight:	391.61
Storage:	Keep away from direct sunlight, Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	N-Stearoyl Taurine comprise of Several different arachidonoyl amino acids, including N-arachidonoyl dopamine (NADA) and N-arachidonoyl serine (ARA-S), have been isolated and characterized from bovine brain. ¹ During mass spectral lipidomic analysis of rat brain, a series of fatty acyl amides of a third amino acid, taurine, is discovered. ² This novel class of compounds is present in kidney and activates members of the transient receptor potential (TRP) family of calcium channels. ³ N-Stearoyl Taurine is a prominent amino-acyl endocannabinoid isolated from rat brain during lipidomics profiling. It is additionally relevant in neurochemical lipid signaling studies and may be utilized in research focusing on calcium channel modulation within neurological and renal molecular physiology models.
Targets(IC50)	Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5536 mL	12.7678 mL	25.5356 mL
5 mM	0.5107 mL	2.5536 mL	5.1071 mL
10 mM	0.2554 mL	1.2768 mL	2.5536 mL
50 mM	0.0511 mL	0.2554 mL	0.5107 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Huang, et al. Identification of a new class of molecules, the arachidonyl amino acids, and characterization of one member that inhibits pain. J. Biol. Chem. 276(46), 42639-42644 (2001).

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481